User's Manual

VR-150 CAT5 VGA/Data (RS232) Extender

Introduction

The **VR-150** Extender is a low cost, one-to-one, real time VGA and RS232 signal long distance transmitter. Using standard CAT5 UTP/STP cable you can broadcast high-resolution video images (1920x1200 @60Hz) and control your display device (RS-232 T, R) from as far away as 300m/1000ft from your host computer.

The system consists of a Local Unit at the computer's site and a Remote Unit for the display device. Those two units are interconnected via a single CAT5 cable.

Installation

- **Local Unit:**
  - **MONITOR:** Plug the local monitor here.
  - **VGA IN:** Use the VGA cable in package to connect with PC's VGA output port.
  - **RS232:** Use the 9PS cable in package to connect with PC's RS232 port.

  - **DC5V:** Connect to the outlet using the power adapter in package.
  - **POWER:** Power LED indicator
  - **UTP/STP OUT:** Connect with the UTP/STP IN port of Remote Unit using CAT5 UTP or STP cable.

- **Remote Unit:**
  - **VGA OUT:** Connect with the display device.
  - **RS232:** Connect with the display device's RS232 port.
  - **DC5V:** Connect to the outlet using the power adapter in package.
  - **POWER:** Power LED indicator
  - **UTP/STP IN:** Connect with the UTP/STP OUT port of Local Unit using CAT5 UTP or STP cable.
  - **Picture:** Adjust the image clarity.
  - **Brightness:** Adjust the image brightness.
  - **RGB Skew Adjustment located at the housing's back:** Push the tact switches to align the red(R)/green(G)/blue (B) discrepancy to optimize the screen quality. The "+" means a tiny increment on video delay per tip, the "—" means a tiny decrement on video delay per tip.

CAT5 Cabling

- **Pin Assignments:**